

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MITSUBISHI METAL CORP

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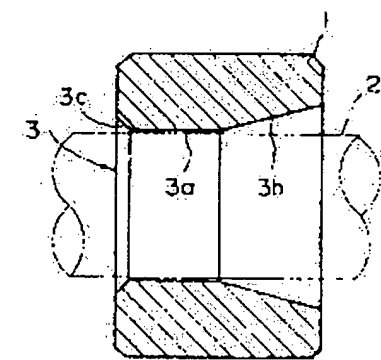
(54) SINTERED OIL-CONTAINED BEARING

(57)Abstract:

PURPOSE: To prevent the axial center from deflecting by lubricating oil by constituting a bearing hole of a rotary shaft supporting part and a contour spread part, which is successively formed to this rotary shaft supporting part further spreading a contour to the outer, and forming the contour spread part closer than the rotary shaft supporting part.

CONSTITUTION: A bearing hole 3, which inserts a rotary shaft 2, is formed inside a cylindrical bearing main unit 1 consisting of sintered metal. The bearing hole 3 is constituted of a shaft supporting part 3a, contour spread part 3b successively formed to the shaft supporting part 3a spreading the bore size toward the outer and a chamfered part 3c. The contour spread part 3b is formed closer than the shaft supporting part 3a.

The bearing main unit 1 is impregnated with lubricating oil. When force is applied to the rotary shaft 2 in a direction at a right angle with its axial line, center deflecting force acts on the rotary shaft 2, but its deflection is suppressed by lubricating oil interposed between the contour spread part 3b and the rotary shaft 2 because the contour spread part 3b is formed closer. Accordingly, the center deflection is surely prevented.



第 1 図

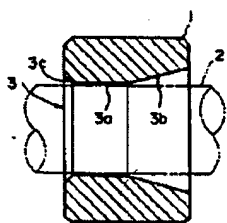


Fig1

第 2 図

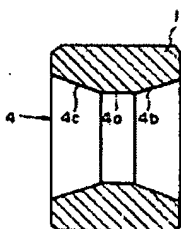


Fig2